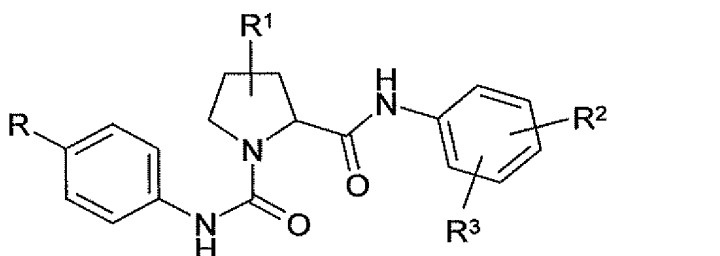


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~Process for the preparation of compounds of the A~~
process for preparing a compound of formula I



in which

R is Hal or C≡CH,

R¹ is H, =O, Hal, A, OH, OA, A-COO-, A-CONH-, A-CONA-, N₃, NH₂, NO₂, CN, COOH, COOA, CONH₂, CONHA, CON(A)₂, O-allyl, O-propargyl, O-benzyl, =N-OH or =N-OA,

R² is H, Hal or A,

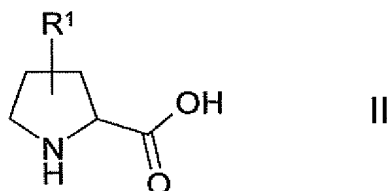
R³ is 2-oxopiperidin-1-yl, 2-oxopyrrolidin-1-yl, 2-oxo-1*H*-pyridin-1-yl, 3-oxomorpholin-4-yl, 4-oxo-1*H*-pyridin-1-yl, 2-oxo-1*H*-pyrazin-1-yl, 2-oxoimidazolidin-1-yl, 2-iminopiperidin-1-yl, 2-iminopyrrolidin-1-yl, 3-iminomorpholin-4-yl, 2-iminoimidazolidin-1-yl, 2-imino-1*H*-pyrazin-1-yl, 2,6-dioxopiperidin-1-yl, 2-oxopiperazin-1-yl, 2,6-dioxopiperazin-1-yl, 2,5-dioxopyrrolidin-1-yl, 2-oxo-1,3-oxazolidin-3-yl, 3-oxo-2*H*-pyridazin-2-yl, 2-caprolactam-1-yl (= 2-oxoazepan-1-yl), 2-azabicyclo[2.2.2]octan-3-on-2-yl, 5,6-dihydro-1*H*-pyrimidin-2-oxo-1-yl, 2-oxo-1,3-oxazinan-3-yl or 4*H*-1,4-oxazin-4-yl, ~~where the radicals may also be~~ which is optionally mono- or disubstituted by A or OA,

A is unbranched, branched or cyclic alkyl having 1-10 carbon atoms,
in which, ~~in addition,~~ 1-7 H atoms ~~may be~~ are optionally replaced
by F,

Hal is F, Cl, Br or I,

~~and or a pharmaceutically usable derivatives, solvates and stereoisomers~~
acceptable salt, mono- or dehydrate, alcoholate or stereoisomer thereof,
~~including mixtures thereof in all ratios, characterised in that comprising~~

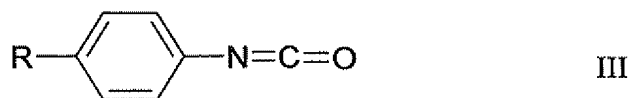
a) reacting a compound of the formula II



in which

R¹ is as defined above,

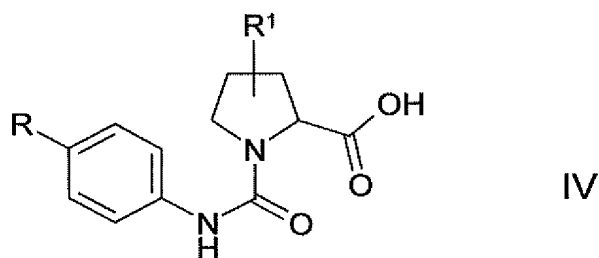
~~is reacted~~ with a compound of the formula III



in which

R is as defined above,

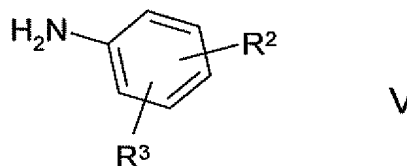
to give a compound of the formula IV



in which

R and R¹ are as defined above,

b) a ~~then reacting the~~ compound of the formula IV ~~is then reacted~~ with a compound of the formula V



in which R^2 and R^3 are as defined above,

to give a compound of the formula I, and

c) ~~this is, if desired, converted optionally converting the compound of formula I into a pharmaceutically usable derivatives and/or solvates acceptable salt, mono- or dihydrate or alcoholate thereof by converting a base or acid of the compound of formula I into one of its salts, or by bringing together the compound of formula I with water or an alcohol.~~

2. (Currently Amended) ~~Process A process according to Claim 1, wherein in the compound of formula I for the preparation of compounds of the formula I in which~~

R is F or Cl ;

~~and pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios.~~

3. (Currently Amended) ~~Process A process according to Claim 1, wherein in the compound of formula I for the preparation of compounds of the formula I in which~~

R^1 is H, =O, OH, OA, A-COO-, N_3 , NH_2 , O-allyl or O-propargyl;

~~and pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios.~~

4. (Currently Amended) ~~Process A~~ process according to Claim 1, wherein in the compound of formula I for the preparation of compounds of the formula I in which
R¹ is H or OH;
~~and pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios.~~
5. (Currently Amended) ~~Process A~~ process according to Claim 1, wherein in the compound of formula I for the preparation of compounds of the formula I in which
R³ is 2-oxopiperidin-1-yl, 2-oxopyrrolidin-1-yl, 2-oxo-1*H*-pyridin-1-yl, 3-oxomorpholin-4-yl, 4-oxo-1*H*-pyridin-1-yl, 2-oxo-1*H*-pyrazin-1-yl, 2-oxoimidazolidin-1-yl, 2-oxopiperazin-1-yl or 3-oxo-2*H*-pyridazin-2-yl;
~~and pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios.~~
6. (Currently Amended) ~~Process A~~ process according to Claim 1, wherein in the compound of formula I for the preparation of compounds of the formula I in which
A is unbranched or branched alkyl having 1-6 carbon atoms, in which, ~~in addition,~~ 1-3 H atoms ~~may be~~ are optionally replaced by F;
~~and pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios.~~
7. (Currently Amended) ~~Process A~~ process according to Claim 1, wherein in the compound of formula I for the preparation of compounds of the formula I in which
R is Hal or C≡CH,
R¹ is H, OH or OA,
R² is H, Hal or A,
R³ is 2-oxopiperidin-1-yl, 2-oxopyrrolidin-1-yl, 2-oxo-1*H*-pyridin-1-

yl, 3-oxomorpholin-4-yl, 4-oxo-1*H*-pyridin-1-yl, 2-oxo-1*H*-pyrazin-1-yl, 2-oxoimidazolidin-1-yl, 2-oxopiperazin-1-yl or 3-oxo-2*H*-pyridazin-2-yl,

A is unbranched, branched or cyclic alkyl having 1-10 carbon atoms, in which, ~~in addition,~~ 1-7 H atoms ~~may be~~ are optionally replaced by F, and

Hal is F, Cl, Br or I,

~~and pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios.~~

8. (Currently Amended) ~~Process~~ A process according to Claim 1, ~~wherein in the compound of formula I for the preparation of compounds of the formula I in which~~

R is F or Cl,

R¹ is H, =O, OH, OA, A-COO-, N₃, NH₂, O-allyl or O-propargyl,

R² is H, F or A,

R³ is 2-oxopiperidin-1-yl, 2-oxopyrrolidin-1-yl, 2-oxo-1*H*-pyridin-1-yl, 3-oxomorpholin-4-yl, 4-oxo-1*H*-pyridin-1-yl, 2-oxo-1*H*-pyrazin-1-yl, 2-oxoimidazolidin-1-yl, 2-oxopiperazin-1-yl or 3-oxo-2*H*-pyridazin-2-yl, and

A is unbranched or branched alkyl having 1-6 carbon atoms, in which, ~~in addition,~~ 1-3 H atoms ~~may be~~ are optionally replaced by F,

~~and pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios.~~

9. (Currently Amended) ~~Process~~ A process according to Claim 1, ~~wherein in the compound of formula I for the preparation of compounds of the formula I in which~~

R is F or Cl,

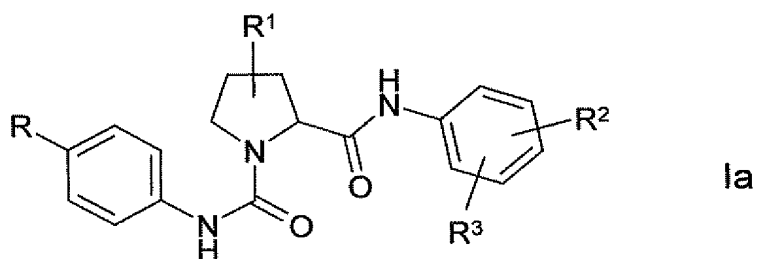
R¹ is H or OH,

R² is H, F or A,

R³ is 3-oxomorpholin-4-yl, and

A is unbranched or branched alkyl having 1-6 carbon atoms, in which, ~~in addition,~~ 1-3 H atoms ~~may be~~ are optionally replaced by F, and ~~pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios.~~

10. (Currently Amended) ~~Process~~ A process according to Claim 1, in which the reaction in ~~step~~ a) is carried out in an inert solvent or solvent mixture[[;]] in the presence of an alkali or alkaline earth metal hydroxide, carbonate or bicarbonate.
11. (Currently Amended) ~~Process~~ A process according to Claim 1, in which the reaction in ~~step~~ a) is carried out in an aqueous NaHCO₃ solution.
12. (Currently Amended) ~~Process~~ A process according to Claim 1, in which the reaction in ~~step~~ a) is carried out at a temperature between 60° and 110°C.
13. (Currently Amended) ~~Process~~ A process according to Claim 1, in which the reaction in ~~step~~ b) is carried out in the presence of ethyl 2-ethoxy-1,2-dihydroquinoline-1-carboxylate (EEDQ).
14. (Currently Amended) ~~Process~~ A process according to Claim 1, in which the reaction in ~~step~~ b) is carried out at a temperature between 10° and 70°C.
15. (Currently Amended) ~~Process~~ A process according to Claim 1, in which the reaction in ~~step~~ b) is carried out in tetrahydrofuran.
16. (Currently Amended) ~~Process~~ A process ~~according Claim 1 for the preparation of compounds of the~~ for preparing a compound of formula Ia



in which

R is F or Cl,

R¹ is H or OH,

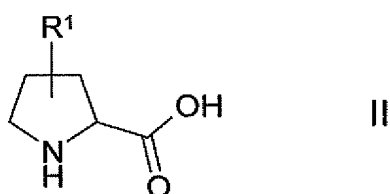
R² is H, F or A,

R³ is 3-oxomorpholin-4-yl,

A is unbranched or branched alkyl having 1-6 carbon atoms, in which, ~~in addition,~~ 1-3 H atoms may be are optionally replaced by F,

~~and or a pharmaceutically usable derivatives, solvates and stereoisomers acceptable salt, mono- or dehydrate, alcoholate or stereoisomer thereof, including mixtures thereof in all ratios, characterised in that comprising~~

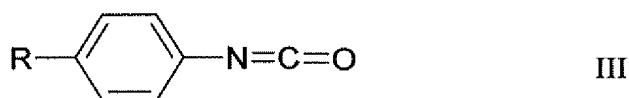
a) reacting a compound of ~~the~~ formula II



in which

R¹ is H or OH,

~~is reacted~~ with a compound of ~~the~~ formula III

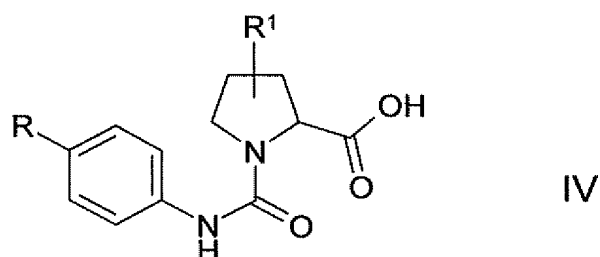


in which

R is F or Cl,

in an aqueous alkali metal or alkaline earth metal carbonate or bicarbonate solution[[,]] at a temperature between 60° and 110°C,

to give a compound of the formula IV

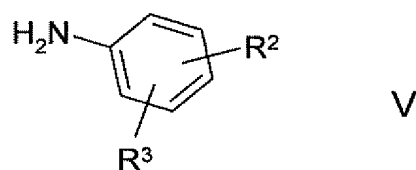


in which

R is F or Cl,

R¹ is H or OH,

b) a then reacting the compound of the formula IV ~~is then reacted~~ with a compound of ~~the~~ formula V



in which

R² is H, F or A,

R³ is 3-oxomorpholin-4-yl, and

A is unbranched or branched alkyl having 1-6 carbon atoms, in which, ~~in addition,~~ 1-3 H atoms ~~may be~~ are optionally replaced by F,

in the presence of an auxiliary reagent with formation of a mixed anhydride[[,]] at a temperature between 10° and 70°C,

to give a compound of the formula Ia, and

c) ~~this is, if desired, converted into pharmaceutically usable derivatives and/or solvates optionally converting the compound of formula Ia into a pharmaceutically acceptable salt, mono- or dihydrate or alcoholate thereof by converting a base or acid of the compound of formula Ia into one of its salts, or by bringing together the compound of formula Ia with water or an alcohol.~~

17. (Currently Amended) ~~Process A~~ process according to Claim 1, wherein the compound of formula I is for the preparation of compounds selected from the group consisting of

1-[(4-chlor-phenyl)]-2-{[4-(3-oxo-morpholin-4-yl)-phenyl]}-(2R,4R)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R)-pyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[3-methyl-4-(3-oxomorpholin-4-yl)phenyl]}-(2R)-pyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[3-methyl-4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4R)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2S,4R)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[2-fluoro-4-(3-oxomorpholin-4-yl)phenyl]}-(2R)-pyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4S)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[3-fluoro-4-(3-oxomorpholin-4-yl)phenyl]}-(2R)-pyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[3-trifluoromethyl-4-(3-oxomorpholin-4-yl)phenyl]}-(2R)-pyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[2-fluoro-4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4R)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4S)-4-azidopyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4S)-4-

aminopyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4R)-4-methoxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4R)-4-acetoxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R)-4-oxopyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[3-methyl-4-(3-oxomorpholin-4-yl)phenyl]}-(2S)-pyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[3-fluoro-4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4R)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2S,4S)-4-hydroxypyrrolidine-1,2-dicarboxamide,

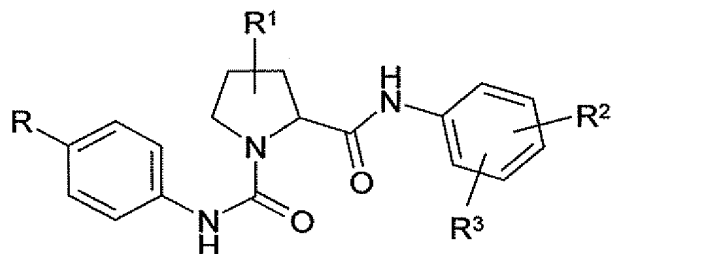
1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4R)-4-allyloxypyrrolidine-1,2-dicarboxamide, or

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4R)-4-(prop-2-ynyloxy)pyrrolidine-1,2-dicarboxamide,

~~and or a pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios acceptable salt, mono- or dehydrate, alcoholate or stereoisomer thereof.~~

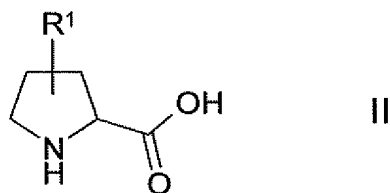
18-20. (Cancelled)

21. (New) A process according to claim 1 for preparing a compound of formula I



in which

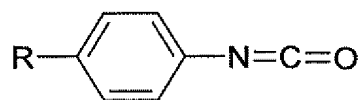
- R is Hal or C≡CH,
- R¹ is H, =O, Hal, A, OH, OA, A-COO-, A-CONH-, A-CONA-, N₃, NH₂, NO₂, CN, COOH, COOA, CONH₂, CONHA, CON(A)₂, O-allyl, O-propargyl, O-benzyl, =N-OH or =N-OA,
- R² is H, Hal or A,
- R³ is 2-oxopiperidin-1-yl, 2-oxopyrrolidin-1-yl, 2-oxo-1*H*-pyridin-1-yl, 3-oxomorpholin-4-yl, 4-oxo-1*H*-pyridin-1-yl, 2-oxo-1*H*-pyrazin-1-yl, 2-oxoimidazolidin-1-yl, 2-iminopiperidin-1-yl, 2-iminopyrrolidin-1-yl, 3-iminomorpholin-4-yl, 2-iminoimidazolidin-1-yl, 2-imino-1*H*-pyrazin-1-yl, 2,6-dioxopiperidin-1-yl, 2-oxopiperazin-1-yl, 2,6-dioxopiperazin-1-yl, 2,5-dioxopyrrolidin-1-yl, 2-oxo-1,3-oxazolidin-3-yl, 3-oxo-2*H*-pyridazin-2-yl, 2-caprolactam-1-yl (= 2-oxoazepan-1-yl), 2-azabicyclo[2.2.2]octan-3-on-2-yl, 5,6-dihydro-1*H*-pyrimidin-2-oxo-1-yl, 2-oxo-1,3-oxazinan-3-yl or 4*H*-1,4-oxazin-4-yl, which is optionally mono- or disubstituted by A or OA,
- A is unbranched, branched or cyclic alkyl having 1-10 carbon atoms, in which 1-7 H atoms are optionally replaced by F,
- Hal is F, Cl, Br or I,
- or a pharmaceutically acceptable salt thereof, comprising
- a) reacting a compound of formula II



in which

R¹ is as defined above,

with a compound of formula III

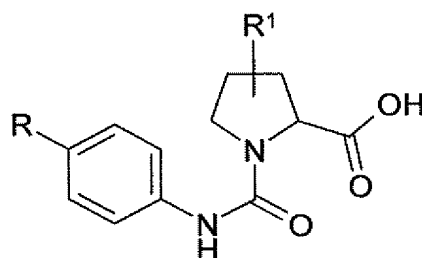


III

in which

R is as defined above,

to give a compound of formula IV

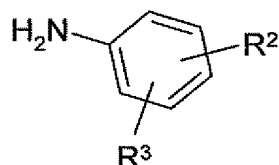


IV

in which

R and R¹ are as defined above,

b) then reacting the compound of formula IV with a compound of formula V



V

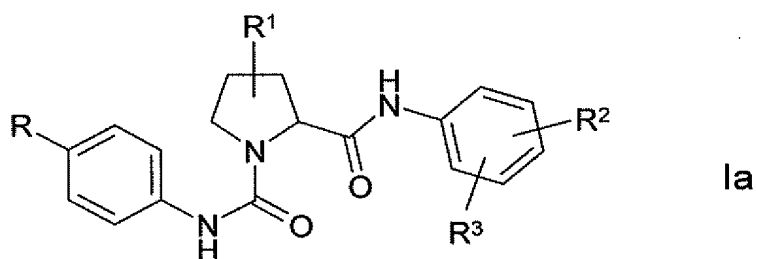
in which R² and R³ are as defined above,

to give a compound of formula I, and

c) optionally converting the compound of formula I into a pharmaceutically acceptable salt thereof by converting a base or acid of the compound of formula I into one of its salts.

22. (New) A process according to claim 16 for preparing a compound of formula

Ia



in which

R is F or Cl,

R¹ is H or OH,

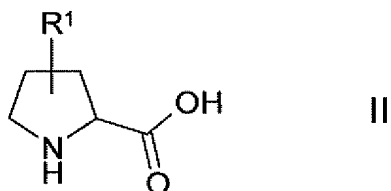
R² is H, F or A,

R³ is 3-oxomorpholin-4-yl,

A is unbranched or branched alkyl having 1-6 carbon atoms, in which 1-3 H atoms are optionally replaced by F,

or a pharmaceutically acceptable salt thereof, comprising

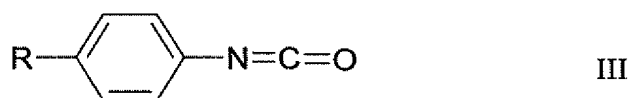
a) reacting a compound of formula II



in which

R¹ is H or OH,

with a compound of formula III

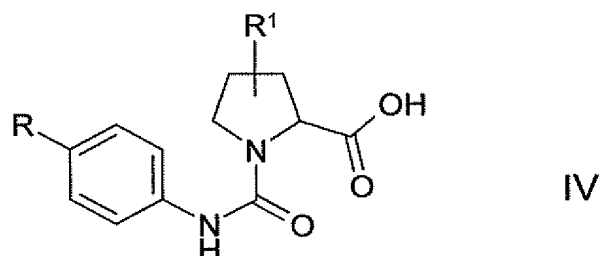


in which

R is F or Cl,

in an aqueous alkali metal or alkaline earth metal carbonate or bicarbonate solution at a temperature between 60° and 110°C,

to give a compound of formula IV

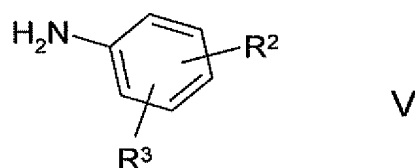


in which

R is F or Cl,

R¹ is H or OH,

b) then reacting the compound of formula IV with a compound of formula V



in which

R² is H, F or A,

R³ is 3-oxomorpholin-4-yl, and

A is unbranched or branched alkyl having 1-6 carbon atoms, in which 1-3 H atoms are optionally replaced by F,

in the presence of an auxiliary reagent with formation of a mixed anhydride at a temperature between 10° and 70°C,

to give a compound of formula Ia, and

c) optionally converting the compound of formula Ia into a pharmaceutically acceptable salt thereof by converting a base or acid of the compound of

formula Ia into one of its salts.

23. (New) A process according to Claim 21, wherein the compound of formula I is

1-[(4-chlor-phenyl)]-2-{[4-(3-oxo-morpholin-4-yl)-phenyl]}-(2R,4R)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R)-pyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[3-methyl-4-(3-oxomorpholin-4-yl)phenyl]}-(2R)-pyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[3-methyl-4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4R)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2S,4R)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[2-fluoro-4-(3-oxomorpholin-4-yl)phenyl]}-(2R)-pyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4S)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[3-fluoro-4-(3-oxomorpholin-4-yl)phenyl]}-(2R)-pyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[3-trifluoromethyl-4-(3-oxomorpholin-4-yl)phenyl]}-(2R)-pyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[2-fluoro-4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4R)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4S)-4-azidopyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4S)-4-aminopyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4R)-4-methoxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R,4R)-4-acetoxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}-(2R)-4-oxopyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[3-methyl-4-(3-oxomorpholin-4-yl)phenyl]}}-(2S)-pyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[3-fluoro-4-(3-oxomorpholin-4-yl)phenyl]}}-(2R,4R)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}}-(2S,4S)-4-hydroxypyrrolidine-1,2-dicarboxamide,

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}}-(2R,4R)-4-allyloxypyrrolidine-1,2-dicarboxamide, or

1-[(4-chlorophenyl)]-2-{[4-(3-oxomorpholin-4-yl)phenyl]}}-(2R,4R)-4-(prop-2-ynyloxy)pyrrolidine-1,2-dicarboxamide,
or a pharmaceutically acceptable salt thereof.